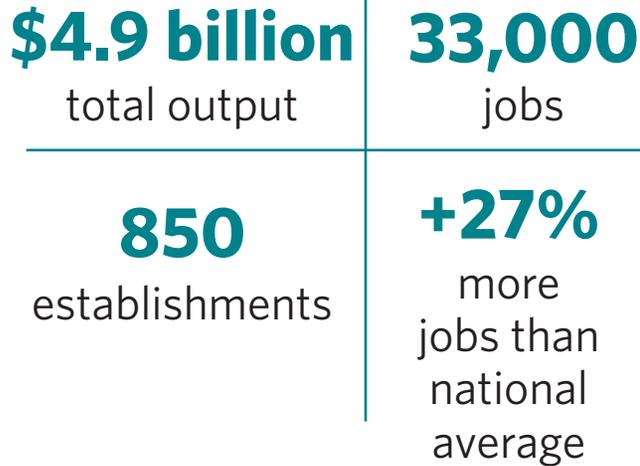


# Production and Heavy Machinery

This cluster produces machines designed to manufacture parts and devices used in industrial, agricultural, construction, commercial industry, material handling, and related purposes. The technical report, *Metropolitan Chicago's traded industry clusters*, offers extensive data on the characteristics and performance of the Chicago region's core industrial assets since 2001, available for download at <https://cmap.is/Traded-Clusters>.

In the Chicago region in 2017, this cluster consisted of



Source: CMAP analysis of Economic Modeling Specialists International data (Emsi 2018.4).

Workers in this cluster tend to be **more** racially diverse than the regional labor force.

**48%** non-white

**28%** female

**39%** over age 50

**4%** commute by transit

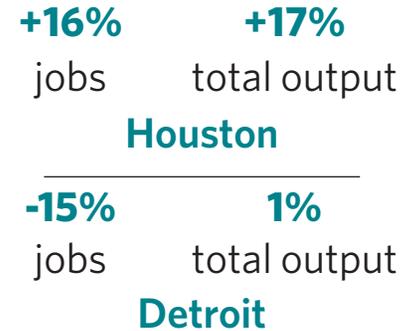


Source: CMAP analysis of Integrated Public Use Microdata Series, 2017 American Community Survey data.

## Largest occupations

- Assemblers and Fabricators
- Welders and Solderers
- Mechanical Engineers
- Sales Representatives
- First-Line Supervisors

In recent years, the cluster's competitive position **held steady** as it **remained specialized** in the national context.



Source: CMAP analysis of Economic Modeling Specialists International data (Emsi 2018.4).  
Note: Job change is from 2001-17, and total output change is from 2007-17.

Middle-skill workers have **greater** opportunity than the regional average.



**37%**

of workers have an associate's degree or higher



**60%**

of jobs typically require at least 2 months of on-the-job training

Source: CMAP analysis of Integrated Public Use Microdata Series, 2017 American Community Survey and Economic Modeling Specialists International data (Emsi 2018.4).

In 2016, this cluster generated approximately

**\$58.8 billion**

in freight shipments that originate, terminate, or circulate regionally.

## Freight mode share, by value



## Freight trade geography, by value



**13%**

Chicago region



**29%**

Midwest



**31%**

Rest of U.S.



**27%**

Global

Source: CMAP analysis of Freight Analysis Framework data (FAF 4.4.1).  
Note: Data includes only the Illinois portion of the U.S. Census Bureau combined statistical area. Freight data is not provided for service clusters.